

Title (en)
Dielectric filter coupling structure.

Title (de)
Kopplungsstruktur für einen dielektrischen Filter.

Title (fr)
Structure de couplage pour un filtre diélectrique.

Publication
EP 0483820 A1 19920506 (EN)

Application
EP 91118554 A 19911030

Priority
• JP 28718591 A 19911008
• JP 29211890 A 19901031

Abstract (en)
A plurality of coaxial type dielectric resonators 1A, 1B each having a dielectric 5 filled between an inner conductor 4 and an outer conductor 3 are arranged, and there is provided a dielectric block 2 for capacitor coupling between resonators and between the resonators and input/output terminals. The dielectric block for coupling has holes 6A, 6B opposed to the inner conductors 4 of the dielectric resonators, with electrodes 7A and 7B being formed on the inner surfaces of the holes. The electrodes 7A and 7B of the coupling dielectric block and the inner conductors 4 of the resonators associated therewith are connected through electroconductive spacers 9. Further, an input terminal electrode 8A and an output terminal electrode 8B are each formed on at least one of outer peripheral faces of the coupling dielectric block 2. The terminal electrodes 8A and 8B are both formed on one side, outer peripheral face of the dielectric block, or are formed on both end, outer peripheral faces respectively of the dielectric block. This construction permits a sufficient reduction in size of a dielectric filter while retaining desired characteristics. <IMAGE>

IPC 1-7
H01P 1/205

IPC 8 full level
H01P 1/205 (2006.01)

CPC (source: EP US)
H01P 1/2056 (2013.01 - EP US)

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